

DECLARATION AND POWER OF ATTORNEY

Application of: Peiyuan Wang, Lieven J. Stuyver, Kyoichi A. Watanabe, Abdalla Hassan,

Byoung-Kwon Chun and Laurent Hollecker

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Compounds with the Bicyclo[4.2.1]Nonane System for the Treatment of Flaviviridae Infections" the specification of which was filed with the U.S. Patent and Trademark Office on August 1, 2003 as a non-provisional patent application no. 10/632,997

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
<u>None</u>			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/453,716</u>	<u>August 1, 2002</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
-------------------------------	--------------------	---

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

**POWER OF ATTORNEY:** The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Madeline I. Johnston -36,174; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Rebecca J. Kaufman- 44,819; Shane A. Nichols-43,836; Bob Neufeld-48,394; Bill Isaacs-44,165; Michael S. Pavento-42,985; James M. Hannon-48,565; Natasha Horne Moffitt-53,340; Hoang M. Vo.-47,158; Stephanie D. Adams-47,378; Suzanne Hollinger-51,811; Charles Thorpe Jr.-48,782.

Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600  
Sherry M. Knowles

Full name of joint inventor: Peiyuan Wang	Citizenship: Chinese
Inventor's signature <i>Peiyuan Wang</i>	Date: 9/15/05
Residence and Post Office Address: 1002 Bay Pointe Way, Lilburn, GA 30047	



# DECLARATION AND POWER OF ATTORNEY

The Application of: Peiyuan Wang, Lieven J. Stuyver, Kyoichi A. Watanabe, Abdalla Hassan,

Byoung-Kwon Chun and Laurent Hollecker

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Compounds with the Bicyclo[4.2.1]Nonane System for the Treatment of Flaviviridae Infections" the specification of which was filed with the U.S. Patent and Trademark Office on August 1, 2003 as a non-provisional patent application no. 10/632,997

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
<u>None</u>			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/453,716</u>	<u>August 1, 2002</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

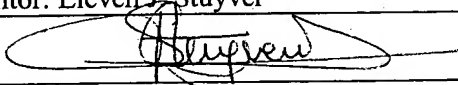
<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
-------------------------------	--------------------	---

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Madeline I. Johnston -36,174; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Rebecca J. Kaufman- 44,819; Shane A. Nichols-43,836; Bob Neufeld-48,394; Bill Isaacs-44,165; Michael S. Pavento-42,985; James M. Hannon-48,565; Natasha Horne Moffitt-53,340; Hoang M. Vo.-47,158; Stephanie D. Adams-47,378; Suzanne Hollinger-51,811; Charles Thorpe Jr.-48,782.

Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600  
Sherry M. Knowles

Full name of joint inventor: Lieven J. Stuyver	Citizenship: Belgian
Inventor's signature 	Date: 10.08.03
Residence and Post Office Address: 3330 Forrest Bend Lane, Snellville Ga 30039	



DECLARATION AND POWER OF ATTORNEY

In re Application of: Peiyuan Wang, Lieven J. Stuyver, Kyoichi A. Watanabe, Abdalla Hassan,

Byoung-Kwon Chun and Laurent Hollecker

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Compounds with the Bicyclo[4.2.1]Nonane System for the Treatment of Flaviviridae Infections" the specification of which was filed with the U.S. Patent and Trademark Office on August 1, 2003 as a non-provisional patent application no. 10/632,997

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
<u>None</u>			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/453,716</u>	<u>August 1, 2002</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

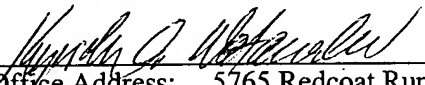
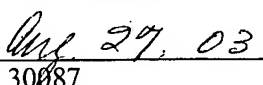
<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
-------------------------------	--------------------	---

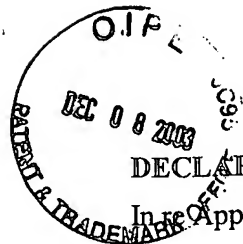
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Madeline I. Johnston -36,174; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Rebecca J. Kaufman- 44,819; Shane A. Nichols-43,836; Bob Neufeld-48,394; Bill Isaacs-44,165; Michael S. Pavento-42,985; James M. Hannon-48,565; Natasha Horne Moffitt-53,340; Hoang M. Vo.-47,158; Stephanie D. Adams-47,378; Suzanne Hollinger-51,811; Charles Thorpe Jr.-48,782.

Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600  
Sherry M. Knowles

Full name of joint inventor: Kyoichi A. Watanabe	Citizenship: Japanese
Inventor's signature 	Date: 
Residence and Post Office Address: 5765 Redcoat Run, Stone Mountain, GA 30087	



# DECLARATION AND POWER OF ATTORNEY

In re Application of: Peiyuan Wang, Lieven J. Stuyver, Kyoichi A. Watanabe, Abdalla Hassan,

Byoung-Kwon Chun and Laurent Hollecker

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Compounds with the Bicyclo[4.2.1]Nonane System for the Treatment of Flaviviridae Infections" the specification of which was filed with the U.S. Patent and Trademark Office on August 1, 2003 as a non-provisional patent application no. 10/632,997

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
<u>None</u>			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/453,716</u>	<u>August 1, 2002</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
		<u>pending</u>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

**POWER OF ATTORNEY:** The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Madeline I. Johnston -36,174; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Rebecca J. Kaufman- 44,819; Shane A. Nichols-43,836; Bob Neufeld-48,394; Bill Isaacs-44,165; Michael S. Pavento-42,985; James M. Hannon-48,565; Natasha Horne Moffitt-53,340; Hoang M. Vo.-47,158; Stephanie D. Adams-47,378; Suzanne Hollinger-51,811; Charles Thorpe Jr.-48,782.

Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at **(404) 572-4600**  
Sherry M. Knowles

Full name of joint inventor: Abdalla Hassan	Citizenship: Egyptian
Inventor's signature <i>Abdalla Hassan</i>	Date: <i>9,12,2003</i>
Residence and Post Office Address: 3256 C Oakwood Village Lane, Chamblee, GA 30341	

DECLARATION AND POWER OF ATTORNEY

In re Application of: Peiyuan Wang, Lieven J. Stuyver, Kyoichi A. Watanabe, Abdalla Hassan,

Byoung-Kwon Chun and Laurent Hollecker

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Compounds with the Bicyclo[4.2.1]Nonane System for the Treatment of Flaviviridae Infections" the specification of which was filed with the U.S. Patent and Trademark Office on August 1, 2003 as a non-provisional patent application no. 10/632,997

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
None			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/453,716</u>	<u>August 1, 2002</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

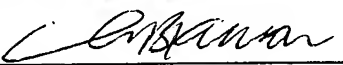
<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Madeline I. Johnston -36,174; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Rebecca J. Kaufman- 44,819; Shane A. Nichols-43,836; Bob Neufeld-48,394; Bill Isaacs-44,165; Michael S. Pavento-42,985; James M. Hannon-48,565; Natasha Horne Moffitt-53,340; Hoang M. Vo.-47,158; Stephanie D. Adams-47,378; Suzanne Hollinger-51,811; Charles Thorpe Jr.-48,782.

Send correspondence to: Sherry M. Knowles  
**King & Spalding**  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at **(404) 572-4600**  
Sherry M. Knowles

Full name of joint inventor: Byoung-Kwon Chun	Citizenship: Korean
Inventor's signature 	Date: 8-19-2003
Residence and Post Office Address: 2500 Pleasant Hill Road Apt. 1212, Duluth, GA 30096	

DECLARATION AND POWER OF ATTORNEY

In Application of: Peiyuan Wang, Lieven J. Stuyver, Kyoichi A. Watanabe, Abdalla Hassan,

Byoung-Kwon Chun and Laurent Hollecker

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Compounds with the Bicyclo[4.2.1]Nonane System for the Treatment of Flaviviridae Infections" the specification of which was filed with the U.S. Patent and Trademark Office on August 1, 2003 as a non-provisional patent application no. 10/632,997

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
<u>None</u>			

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/453,716</u>	<u>August 1, 2002</u>		
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
		<u>pending</u>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

**POWER OF ATTORNEY:** The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Madeline I. Johnston -36,174; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; Joseph M. Bennett-Paris-47,226; Rebecca J. Kaufman- 44,819; Shane A. Nichols-43,836; Bob Neufeld-48,394; Bill Isaacs-44,165; Michael S. Pavento-42,985; James M. Hannon-48,565; Natasha Horne Moffitt-53,340; Hoang M. Vo.-47,158; Stephanie D. Adams-47,378; Suzanne Hollinger-51,811; Charles Thorpe Jr.-48,782.

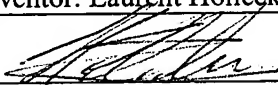
Send correspondence to: Sherry M. Knowles

**King & Spalding**

191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, Georgia 30303

Direct telephone calls at **(404) 572-4600**

Sherry M. Knowles

Full name of joint inventor: Laurent Hollecker	Citizenship: French
Inventor's signature 	Date: 08/20/2003
Residence and Post Office Address: 5309 Rutherford Glen Circle, Atlanta, GA 30340	